

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



553172



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/094739 A2

(51) International Patent Classification⁷: E04B

(21) International Application Number: PCT/US2004/012046

(22) International Filing Date: 19 April 2004 (19.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/463,435 17 April 2003 (17.04.2003) US

(71) Applicants and

(72) Inventors: MCDONALD, Frank [US/US]; 20 Valley View Drive, Orinda, California 94563 (US). MCDONALD, Susanna, Novy [US/US]; 20 Valley View Drive, Orinda, California 94563 (US).

(74) Agent: AITKEN, Andrew, C.; VENABLE LLP, P.O. Box 22-0261, Washington, District of Columbia 20043-9998 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

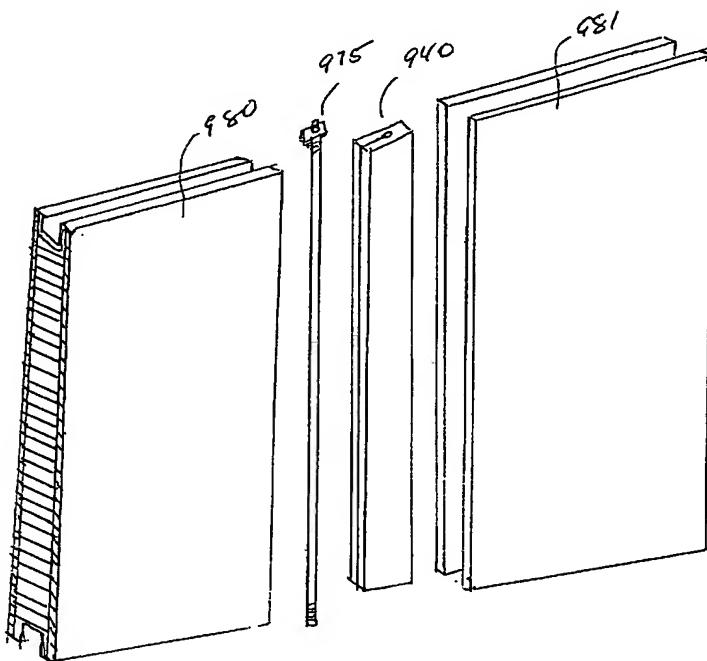
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODULAR BUILDING PANELS, METHOD OF ASSEMBLY OF BUILDING PANELS AND METHOD OF MAKING BUILDING PANELS



WO 2004/094739 A2

(57) Abstract: A modular construction system is made of a plurality of panels having peripheral frame elements defining a top channel, a bottom channel, and side channels. An exterior planar sheet and an interior planar sheet element enclose an inner core region that is filled with an adhesive bonding material that attaches the components together.